

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 10170664  
PUBLICATION DATE : 26-06-98

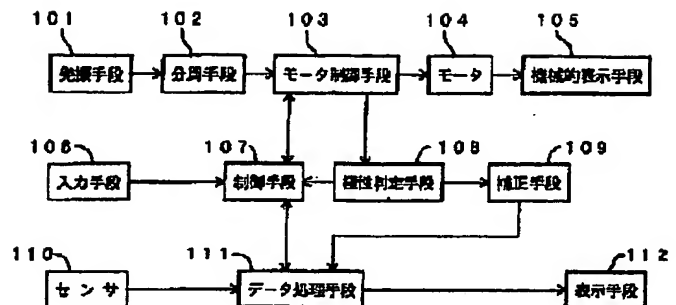
APPLICATION DATE : 10-12-96  
APPLICATION NUMBER : 08330074

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INT.CL. : G04B 47/06 G01C 17/04 G01C 17/38  
G01R 33/02 G04C 3/00 G04G 1/00

TITLE : ELECTRONIC CLOCK WITH  
MAGNETIC FIELD MEASURING  
FUNCTION



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a pointer-type electronic clock with magnetic field measuring function which eliminates effects of magnetic field from a two poles step- motor for displaying time without requiring arrangement of the step motor far from a magnetic sensor.

**SOLUTION:** A pointer-type electronic clock with magnetic field measuring function synchronizes driving of a two poles step-motor 104 for displaying time with magnetic field detection by a magnetic sensor 110 and performs them at different timing. Even when the pole position of the rotor in the two poles step-motor 104 is in any condition, the magnetic sensor 110 detects magnetic field. On the basis of judgment result for the pole position of the rotor which is derived by a motor pole judging means 108 for displaying time, a correcting means 109 corrects the azimuth in relation to the rotor pole position.

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